

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) An organic electronic device, comprising:
a deposition surface having a plurality of deposition regions defined thereon;
a plurality of organic layers, wherein each said organic layer is fabricated by selectively
depositing an organic solution into said deposition regions of on said deposition surface, further
wherein and a first portion of at least one of said organic layers are is cross-linked to render said
first portion of said organic layers insoluble during deposition of a subsequent layer.
2. (Currently Amended) A device according to claim 1 wherein said plurality of
organic ~~eleetronic~~ layers includes an active electronic layer at least a first organic layer and a
second organic layer, the first organic layer being closer to the deposition surface than the second
organic layer and the first organic layer being a cross-linked organic layer.
3. (Currently Amended) A device according to claim 2 wherein said plurality of
organic layers includes a[[n]] hole transport layer.
4. (Currently Amended) A device according to claim 3 wherein at least one layer of
said plurality of organic ~~eleetronic~~ layers are is capable of performing at least one of a hole
blocking function, an electron blocking function, an electron transport function, a hole transport
function, an optical confinement/wave-guiding function, an electron injection function, a hole
injection function, an emission function, an absorption function, or a chemical, or physical or
photophysical sensor function[[]].
5. (Canceled)

6. (Currently Amended) A device according to claim 1 wherein at least one some of said organic solution[[s]] ~~blend~~ includes cross-linking groups ~~for a base organic solution before~~ ~~said organic solution is cross-linked.~~

7. (Currently Amended) A device according to claim 1 wherein at least one some of said organic solution[[s]] includes an initiating agent ~~to assist in the cross-linking process.~~

8. (Canceled)

9. (Currently Amended) A device according to claim 31 wherein said organic electronic device is an OLED device.

10. (Currently Amended) A device according to claim 9 wherein said deposition surface is ~~the~~ a lower electrode layer.

11. (Currently Amended) A device according to claim 10 wherein ~~said active electronic-~~ at least one of said plurality of organic layers is an emissive layer, said emissive layer emitting light upon charge recombination.

12. (Original) A device according to claim 11 further comprising a cathode layer disposed over said plurality of organic layers.

13. (Currently Amended) A device according to claim 9 wherein said hole transport layer is fabricated from a ~~modified~~ PEDOT:PSS solution including constituents capable of cross-linking.

14. (Original) A device according to claim 1 wherein said device behaves as an organic transistor.

15. (Original) A device according to claim 1 wherein said device behaves as an organic opto-electronic device.

16. (Currently Amended) A device according to claim 1 wherein said plurality of organic layers includes at least one hetero-structure a first layer and a second layer and the first layer includes a different material from the second layer.

17. (Currently Amended) A device according to claim 3 wherein said hole transport layer is configured to perform an electron blocking function is performed in said hole transport layer.

18. (Currently Amended) A device according to claim 3 wherein said hole transport layer is configured to perform a wave-guiding function is performed in said hole transport layer.

19. (Currently Amended) A device according to claim 3-4 wherein a single organic layer of the plurality of organic layers performs said electron transport and hole blocking functions are performed in the same one of said organic layers.

20. (Currently Amended) A device according to claim 3-4 wherein said electron transport function is performed in an organic layer one of said plurality of organic layers dedicated thereto.

21. (Currently Amended) A device according to claim 3-4 wherein said wave-guiding function is performed in an organic layer one of said plurality of organic layers dedicated thereto.

22. (Currently Amended) A device according to claim 3-4 wherein said electron injection function is performed in an organic layer one of said plurality of organic layers dedicated thereto.

23. (New) The device of claim 1, wherein:

the plurality of organic layers includes a hole transport layer, an emissive layer on the hole transport layer, an electron transport layer on the emissive layer and an electrode injection

layer on the electron transport layer; and

one of the emissive layer or the electron transport layers is cross-linked.

24. (New) The device of claim 2, wherein at least one of the first and second organic layers is an emitting layer or a light detecting layer.